

Title (en)

Method for determining at least one regulating parameter of a dancer controlling element

Title (de)

Verfahren zur Bestimmung wenigstens eines Reglerparameters eines Tänzerlage-Regelglieds

Title (fr)

Procédé de détermination d'au moins un paramètre de régulation d'un élément de régulation d'une position de danseuse

Publication

EP 2371748 A3 20120328 (DE)

Application

EP 11001033 A 20110209

Priority

DE 102010013782 A 20100403

Abstract (en)

[origin: EP2371748A2] The method involves detecting a stepper position (Xist) of a stepper, and specifying speed (nv) of a winding device based on the detected stepper position. Control parameters (KP, TN) are automatically determined in dependence of a diameter of the winding device during operation of a processing machine. Speed of the winding device is specified for winding or unwinding a material web e.g. paper or card board. Speed of an impact tool i.e. transport roller, is specified for transporting a material web. An independent claim is also included for a control unit for automatically determining a control parameter of a stepper position-control element in a processing machine.

IPC 8 full level

B65H 23/188 (2006.01)

CPC (source: EP US)

B65H 23/1825 (2013.01 - EP US); **B65H 23/185** (2013.01 - EP US); **B65H 23/1888** (2013.01 - EP US); **B65H 23/192** (2013.01 - EP US); **B65H 2404/14** (2013.01 - EP US); **B65H 2511/14** (2013.01 - EP US); **B65H 2513/11** (2013.01 - EP US); **B65H 2515/31** (2013.01 - EP US); **B65H 2801/21** (2013.01 - EP US)

C-Set (source: EP US)

EP

1. **B65H 2513/11** + **B65H 2220/02**
2. **B65H 2515/31** + **B65H 2220/02**
3. **B65H 2511/14** + **B65H 2220/01**

US

1. **B65H 2511/14** + **B65H 2220/01**
2. **B65H 2513/11** + **B65H 2220/02**
3. **B65H 2515/31** + **B65H 2220/02**

Citation (search report)

- [X] EP 1693323 A1 20060823 - ROLAND MAN DRUCKMASCH [DE]
- [X] DE 19520955 A1 19961212 - ROLAND MAN DRUCKMASCH [DE]
- [X] DE 19501982 A1 19960725 - ELAU ELEKTRONIK AUTOMATIONS GM [DE]
- [X] EP 0311800 A2 19890419 - SUCKER & FRANZ MUELLER GMBH [DE]
- [X] DE 2225614 A1 19731206 - PIV ANTRIEB REIMERS KG WERNER
- [A] EP 2050699 A2 20090422 - BOSCH GMBH ROBERT [DE]

Cited by

EP3392029A1; US11148896B2; WO2018192916A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2371748 A2 20111005; **EP 2371748 A3 20120328**; **EP 2371748 B1 20141231**; DE 102010013782 A1 20111006; US 2011246127 A1 20111006

DOCDB simple family (application)

EP 11001033 A 20110209; DE 102010013782 A 20100403; US 201113075074 A 20110329